Customer Care Solutions
TME-3 Series Transceivers

Service Tools

Issue 3 10/03
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General Instructions

Before connecting the service tools :

Caution:Make sure that you have swithed off the PC and the printer before making connections!

Caution:Do not connect the PKD-1 key to the serial port. You may damage your PKD-1!

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XRC-5 RF Cable

RF cable XRC-5 is used to connect e.g. Module Jig MJS-63 to RF measurement equipment..

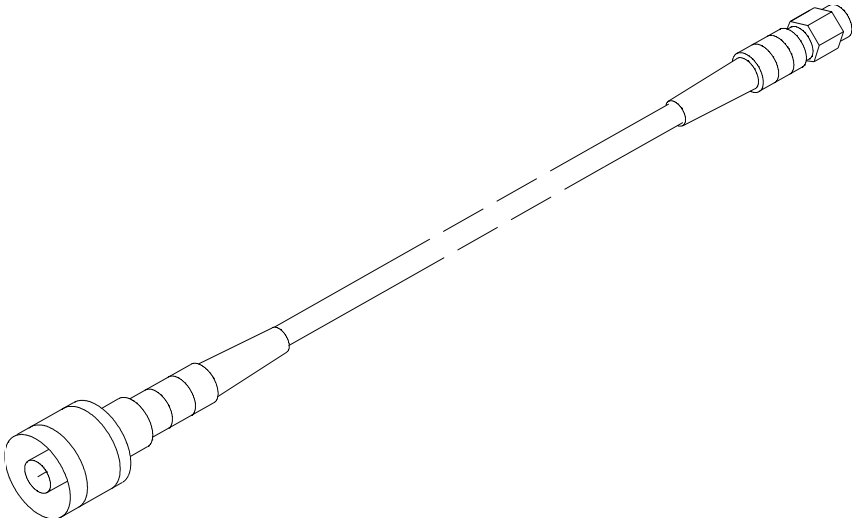
Attenuation table:

900 MHz	0.86dB/m
1800 MHz	1.20dB/m
1900 MHz	1.24dB/m

Product code

XRC-5RF Cable: 0730276

Figure 1: View of XRC-5



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JBV-1 Docking Station and MJF-21 Adapter

The JBV-1 Docking Station has been designed for calibration and software update use. The MJF-21 Docking Station Adapter makes signal connections to the phone.

JBV-1 and MJF-21 are used as one unit.

In calibration mode JBV-1 is powered by external power supply 11-16VDC. In flashing operation the power for the phone must be taken from external power supply 11-16VDC.

Product Code:

JBV-1 Docking Station: 0770298

Figure 2: View of JBV-1

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Product Code:

MJF-21 Docking Station Adapter: 0770374

Figure 3: View of MJF-21

MJF-21 & JBV-1 setup

1. Attach the protection key PKD-1 to parallel port one (25-pin female D-connector) of the PC. When connecting the PKD-1 to the parallel port be sure that you insert the PC end of the PKD-1 to the PC (male side). If you use a printer on parallel port one, place the PKD-1 between the PC and your printer cable.

2. Connect the printer cable and D9-D9 cable, AXS-4 to the flash prommer, FPS-8.

3. Attach the docking station adadpter, MJF-21, to the docking station, JBV-1.

4. Connect modular cable, XCS-4, from the front panel of FPS-8 to the docking station, JBV-1.

5. Connect power cable PCS-1, from the front panel of the FPS-8 (4V) to the connector of JBV-1.

6. Install the TME-3/4 to the docking station adapter, MJF-21.

7. Connect power supply ACF-8 to the FPS-8.

8. Start Phoenix and follow the flashing instructions.

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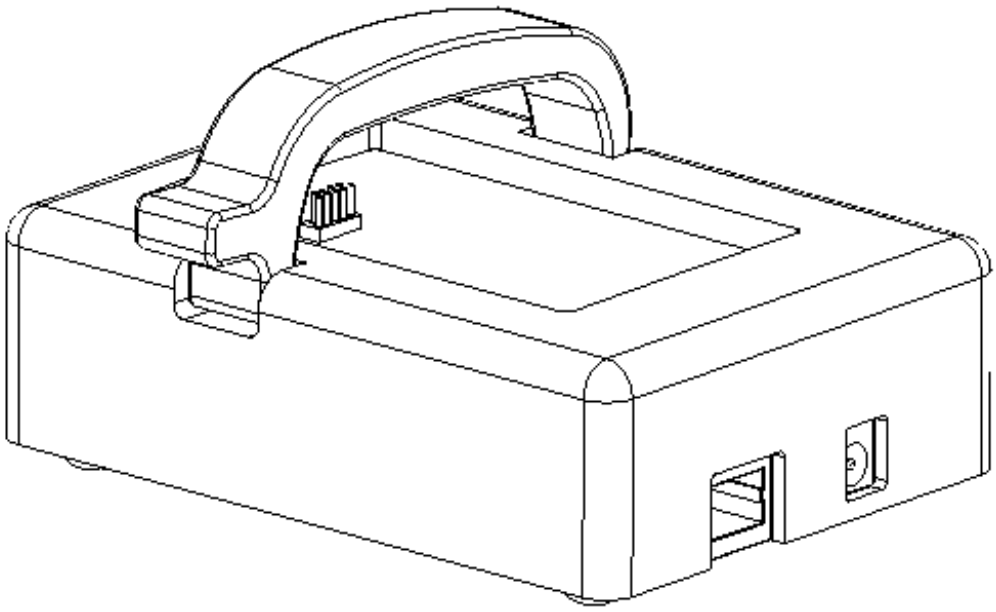
FLA-34 Flashing Adapter

The FLA-34 Flashing adapter is used for reflashing the TME-3 in a service center.

Product Code

FLA-34 Flashing Jig: 0770375

Figure 4: View of FLA-34



FLA-34 setup

1. Attach the protection key PKD-1 to parallel port one (25-pin female D-connector) of the PC. When connecting the PKD-1 to the parallel port be sure that you insert the PC end of the PKD-1 to the PC (male side). If you use a printer on parallel port one, place the PKD-1 between the PC and your printer cable.

2. Connect the printer cable and D9-D9 cable, AXS-4 to the flash prommer, FPS-8.

3. Connect modular cable, XCS-4, from the front panel of FPS-8 to the flash adapter, FLA-34.

4. Connect power cable, PCS-1, from the rear panel of the FPS-8 (ACS-10) or external power supply (8,5V) to the connector of FLA-34.

5. Install the TME-3/4 to the flash adapter, FLA-34.

6. Connect power supply ACF-8 to the FPS-8.

7. Start Phoenix and follow the flashing instructions.

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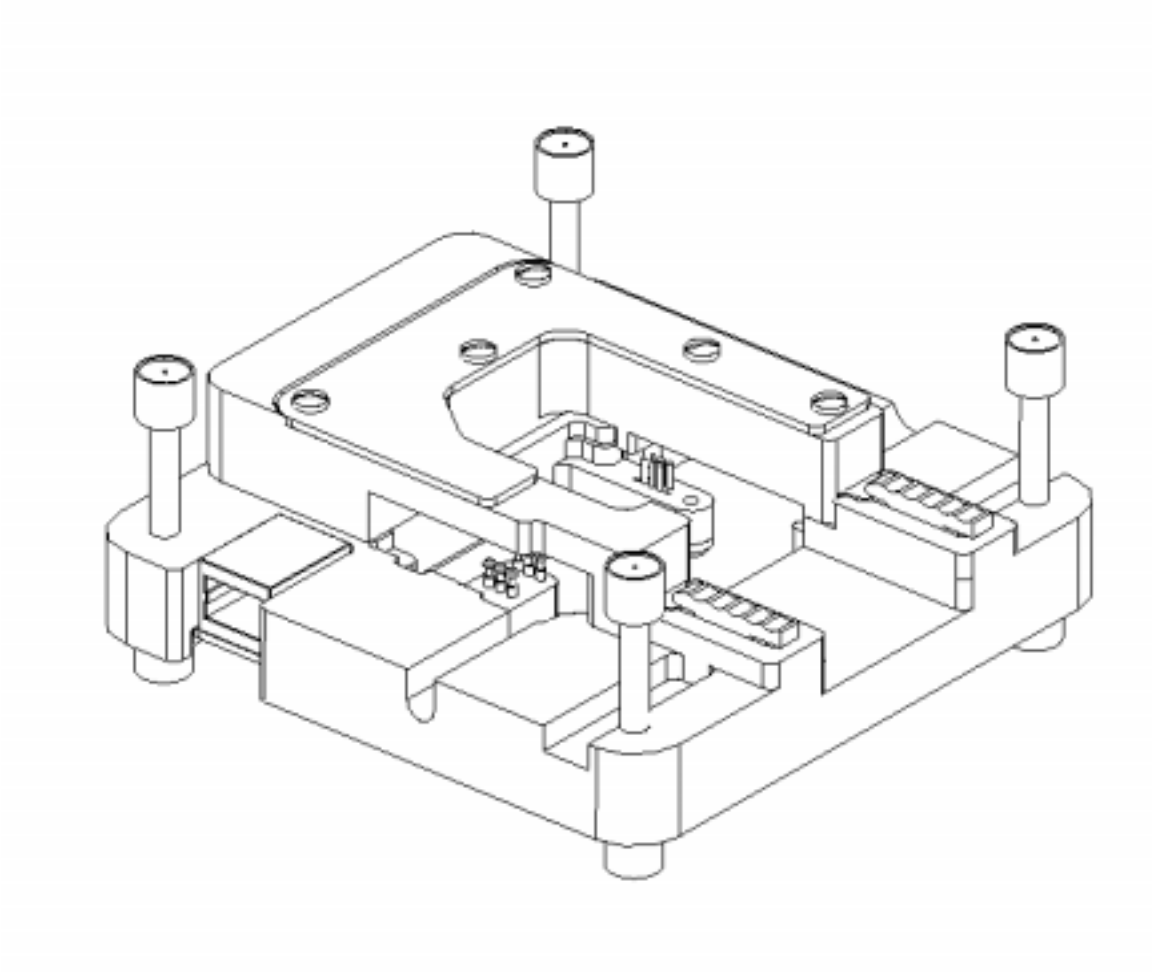
MJS-63 Module Jig

The MJS-63 Module Jig is used for testing of system/RF-module.

Product Code

MJS-63 Module Jig: 0770377

Figure 5: View of MJS-63



*Note: The nominal supply voltage for MJS-63 is +8.0 V.

The supply voltage must not exceed +12.0 V (min 5V). (MJS-63 has overvoltage protection)

For flashing with FPS-8, it is possible to bypass the regulator(jumper).

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MJS-63 setup

1. Attach the protection key PKD-1 to parallel port one (25-pin female D-connector) of thePC. When connecting the PKD-1 to the parallel port be sure that you insert the PC end of the PKD-1 to the PC (male side). If you use a printer on parallel port one, place the PKD-1 between the PC and your printer cable.

2. Connect the printer cable and D9-D9 cable, AXS-4 to the flash prommer, FPS-8.

3. Connect modular cable, XCS-4, from the front panel of FPS-8 to the module jig, MJS-63.

4. Connect power cable, PCS-1, from the rear panel of the FPS-8 (ACS-10) or external power supply (8,5V) to the connector of MJS-63.

5. Install the RL7/8 module to the module jig, MJS-63.

6. Connect power supply ACF-8 to the FPS-8.

7. Start Phoenix and follow the flashing instructions.

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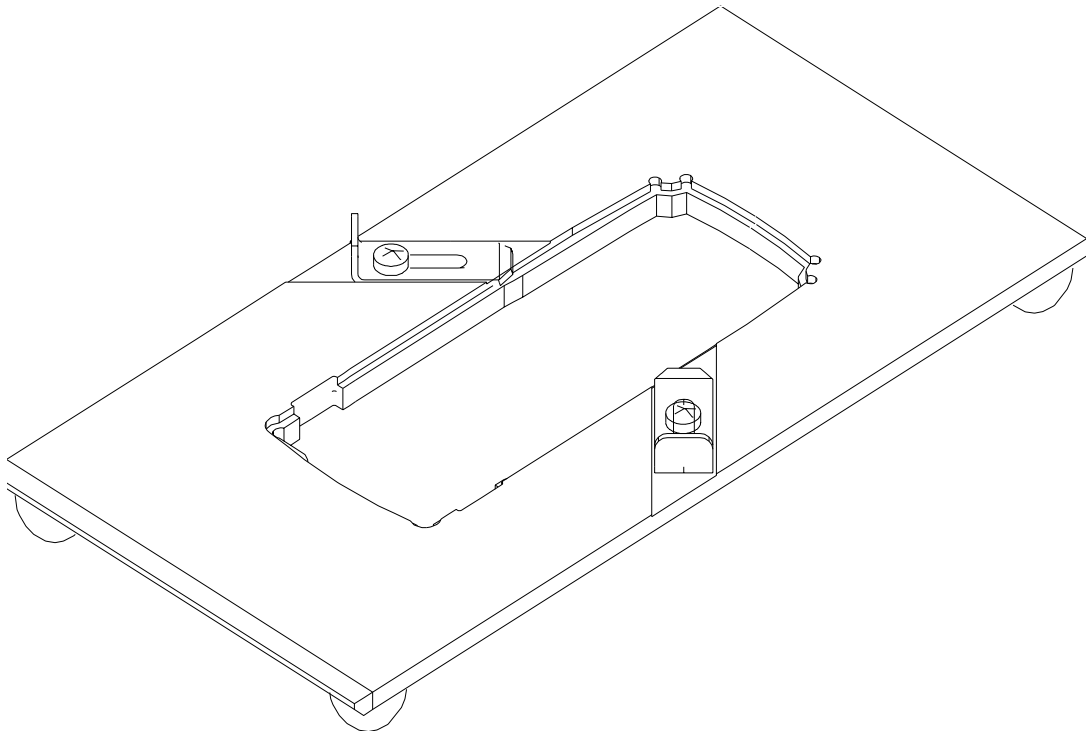
MJS-62 Soldering Jig

The Soldering Jig MJS-62 is used for soldering and as a rework jig for system module.

Product Code

MJS-62 Soldering Jig: 0770376

Figure 6: View of MJS-62



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FPS-8 Flash Prommer (Sales Pack)

The Flash Prommer FPS-8 is used with e.g. FLA-63 and JBV-1. Power is supplied to FPS-8 from a ACF-8 type Power Supply. Also refer to ACS-10.

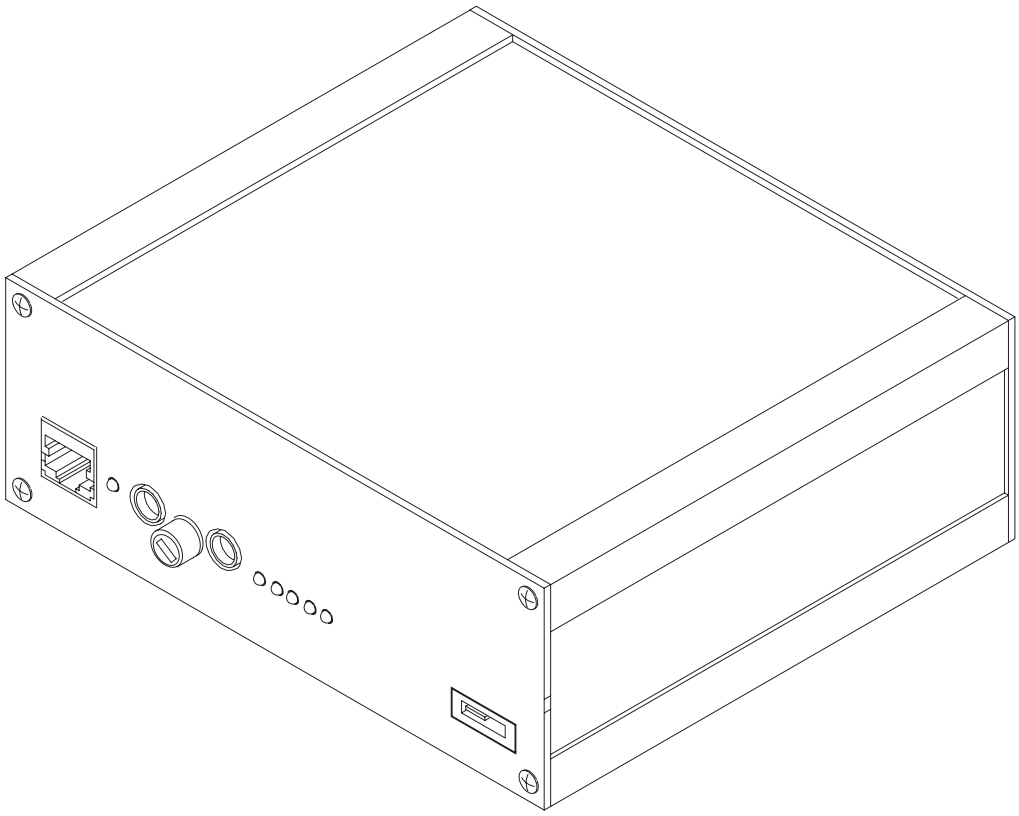
The sales pack includes:

- FPS-8 Flash Prommer	0750123	
- FPS-8 Activation Sheet	9359289	
- ACF-8 Power Supply	0680032	
- AXS-4 Serial Cable (D9-D9)	0730090	(for PC COM port)
- Centronics Cable	0730029	(for PC parallel port)
- CA-10 DS Cable	0730298	
- CD-ROM(user guide and installation SW)	0774271	

Sales package code

FPS-8 Flash Prommer: 0080321

Figure 7: View of FPS-8



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ACS-10 Power supply module for FPS-8

ACS-10 power supply module replaces the original rear panel of the FPS-8. ACS-10 is needed when programming TME-3.

Installation instructions are included in the FPS-8 Flashing User Guide.

Product Code

ACS-10 Power Supply Module: 0770340

Figure 8: ACS-10 inside

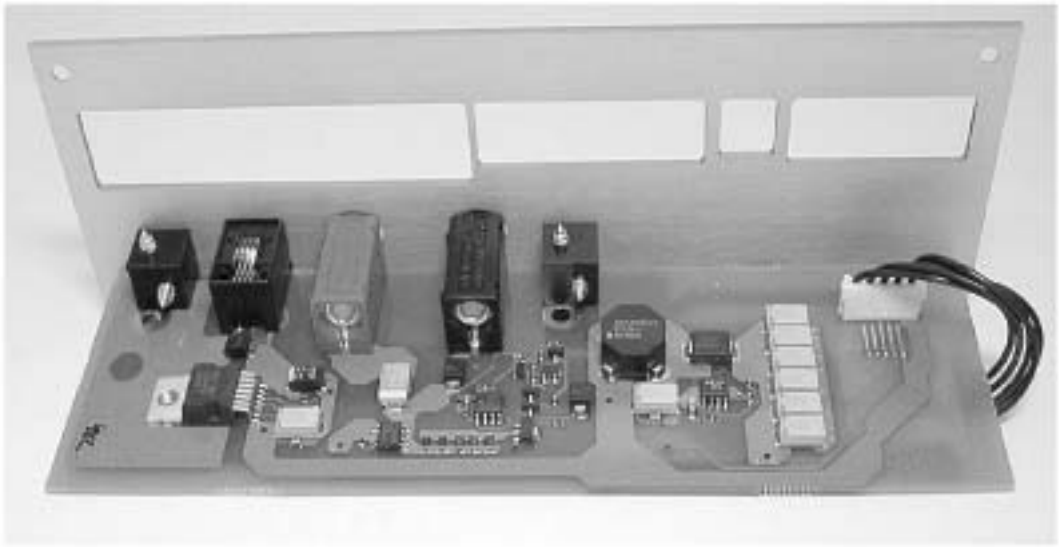
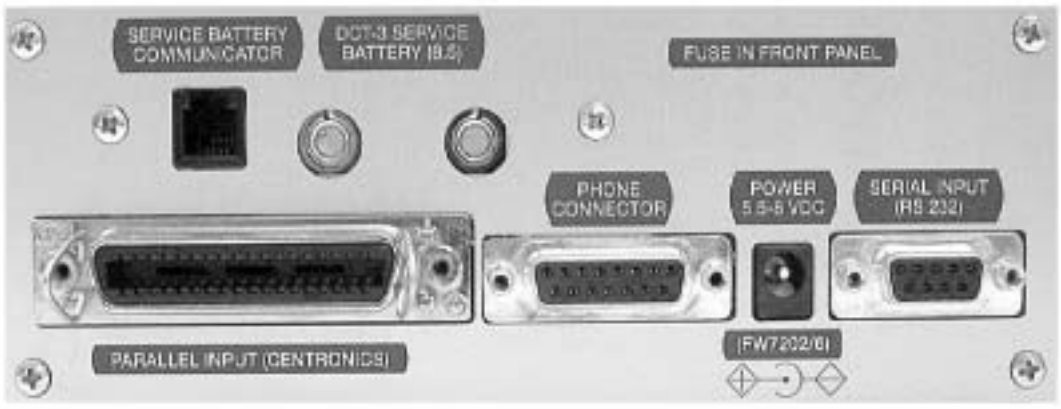


Figure 9: ACS-10 rear panel



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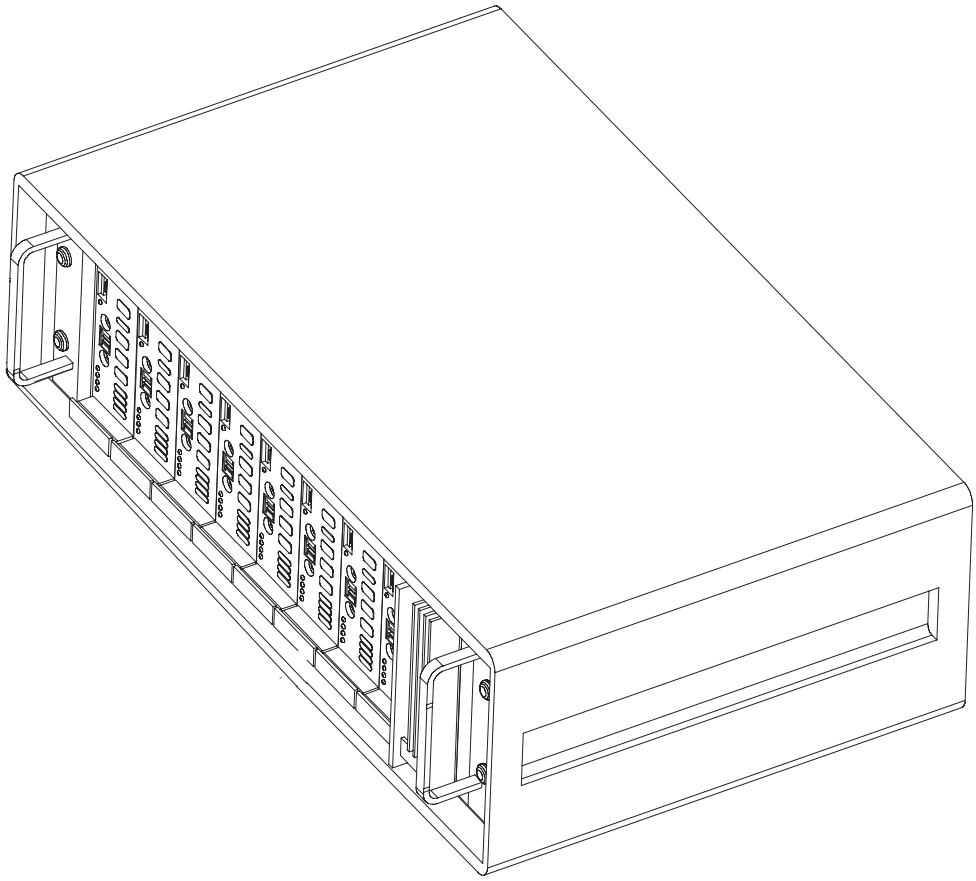
FPS-8C Parallel Flash Prommer (Sales Pack)

The Parallel Flash Prommer FPS-8C is used with MJF-6 and JBV-1. Flash programming can be done to maximum of 8 phones parallel. FPS-8C consists of eight SF11C programming cards. SF11C card is functionally identical to FPS-8.

Sales package code

FPS-8C Parallel Flash Prommer: 0080396

Figure 10: View of FPS-8C



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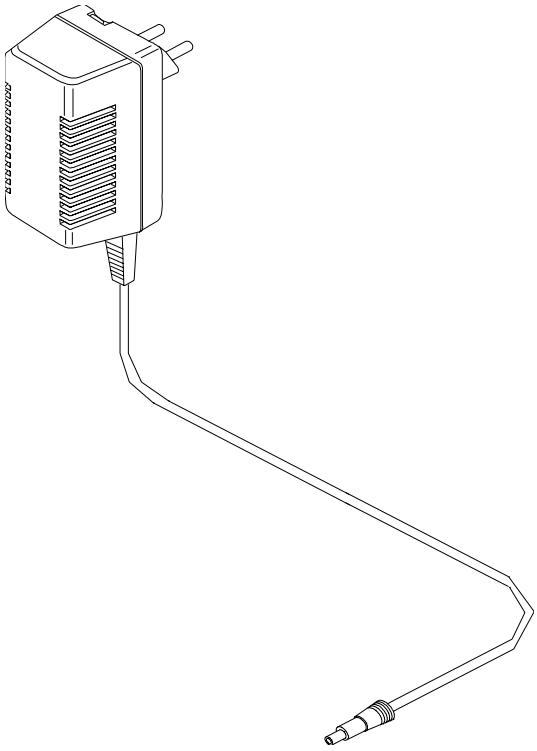
ACF-8 Universal Power Supply

ACF-8 Universal Power Supply is used to power FPS-8. ACF-8 has 6 V DC and 2.1 A output.

Product Code

ACF-8 Universal Power Supply: 0680032

Figure 11: View of ACF-8



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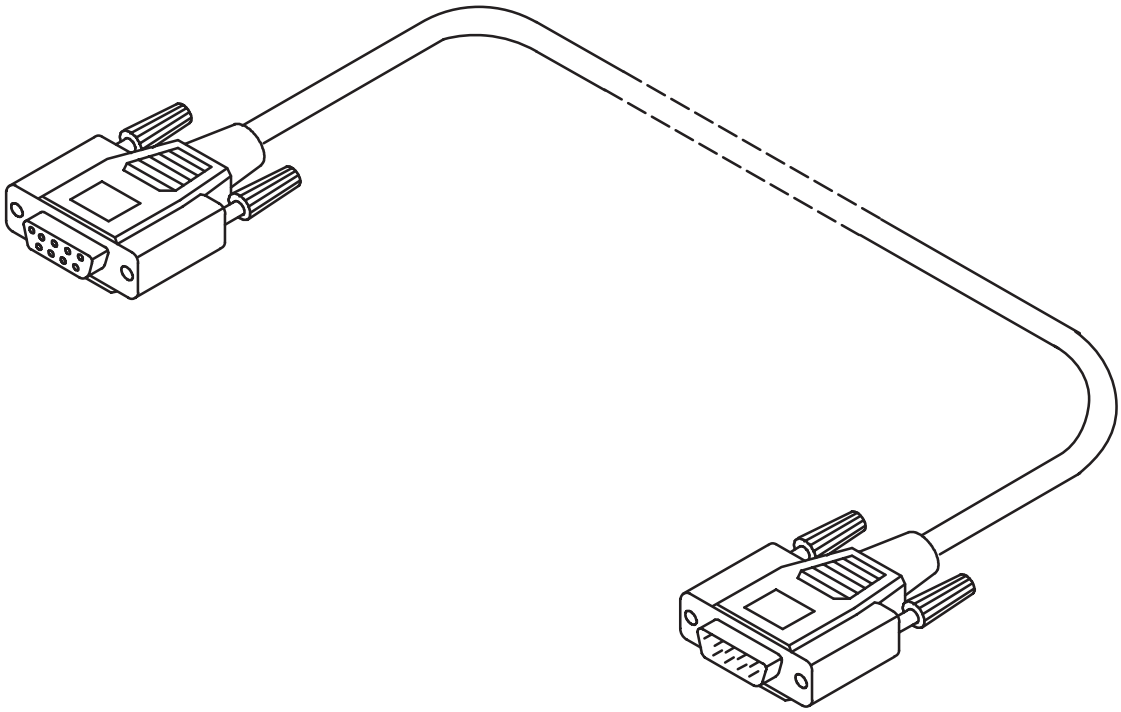
AXS-4 Service Cable

The AXS-4 D9-D9 Service Cable is used to connect two 9 pin D connectors e.g. between PC and FPS-8. Cable length is 2 meters.

Product code

AXS-4 D9-D9 Service Cable: 0730090

Figure 12: View of AXS-4



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SW Security Device PKD-1

SW security device is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Whithout the dongle present it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.

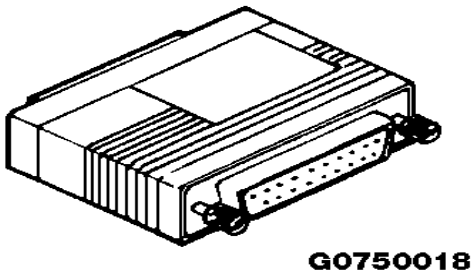
Caution:Make sure that you have switched off the PC and the printer before making connections!

Caution:Do not connected the PKD-1 to the serial port. You may damage your PKD-1!

Product Code

SW Security Device PKD-1: 0750018

Figure 13: View of SW Security Device



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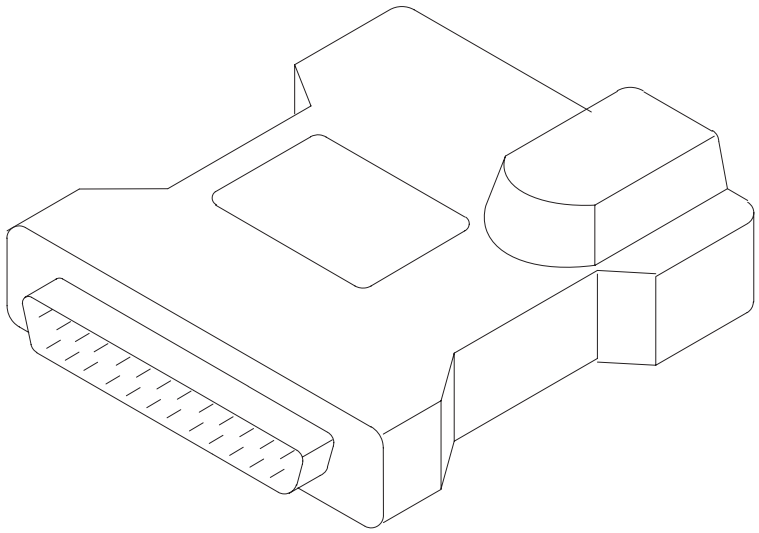
FLS-4S POS (Point Of Sale) Flash Device (Sales Pack)

FLS-4S is a dongle and flash device incorporated into one package, developed specifically for POS use.

Product Code

Sales Pack - Europe/Africa	0080541
Sales Pack -APAC	0080542
Sales Pack -Americas	0080543

Figure 14: View of FLS-4S



POS Flash setup

1. Attach the POS flash adapter FLS-4S to parallel port one (25-pin female D-connector) of the PC.

2. Connect the modular cable, XCS-4, between the FLS-4S and flash adapter, FLA-34.

3. Connect the power supply ACF-8 to the connector of FLS-4S.

4. Connect the external power supply (8,5V) to the flash adapter, FLA-34.

5. Install the TME-3/4 to the flash adapter, FLA-34.

6. Start Phoenix and follow the flashing instructions.

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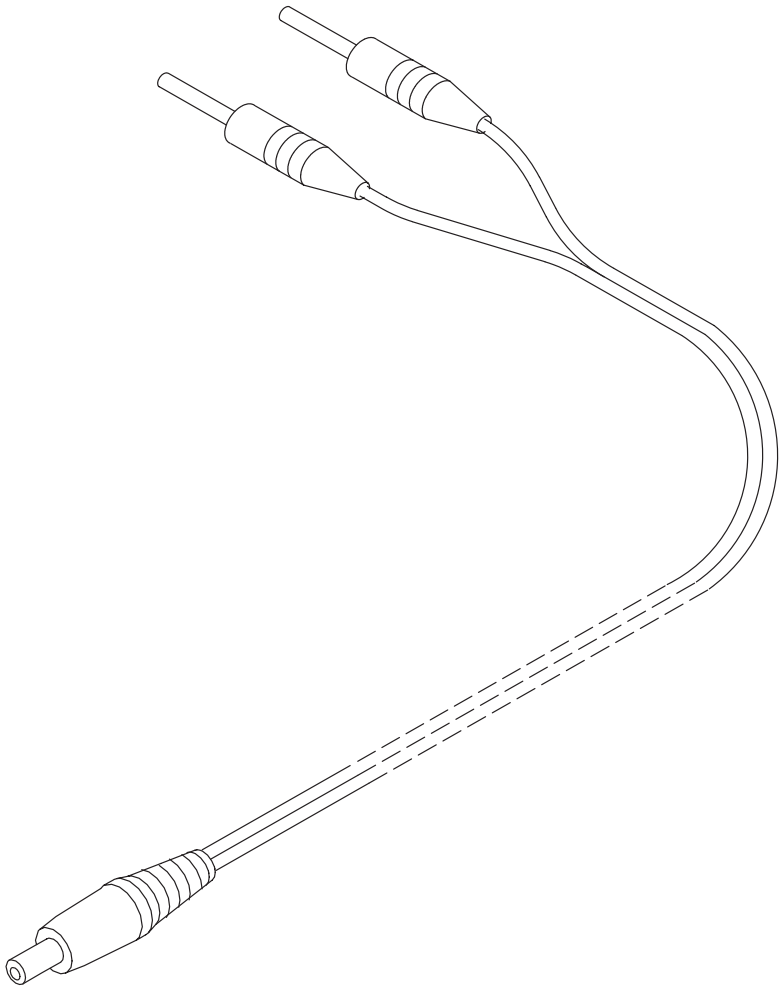
PCS-1 Power Cable

The PCS-1 Power Cable (DC) is used to connect e.g. JBV-1 to FPS-8.

Product Code

PCS-1 Power Cable: 0730012

Figure 15: View of PCS-1



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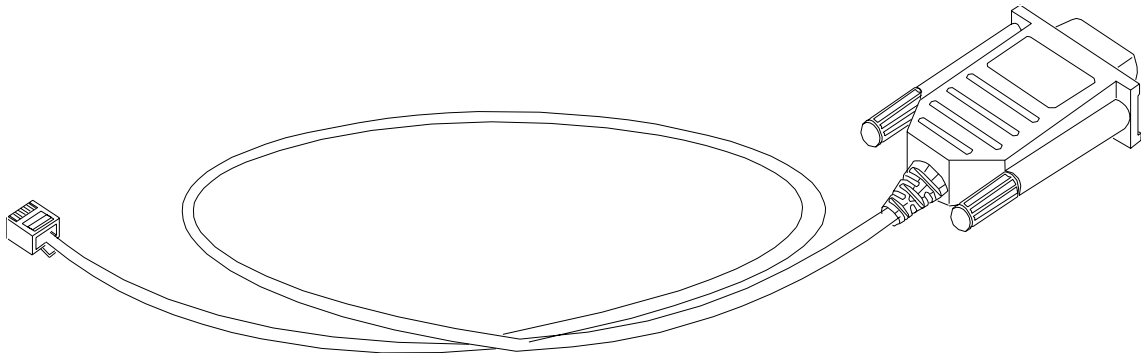
DAU-9S MBUS Cable

The MBUS Cable DAU-9S has a modular connector, and is used with between PC's serial port and e.g. Module Jig MJS-63.

Product Code

DAU-9S MBUS Cable: 0730108

Figure 16: View of DAU-9S



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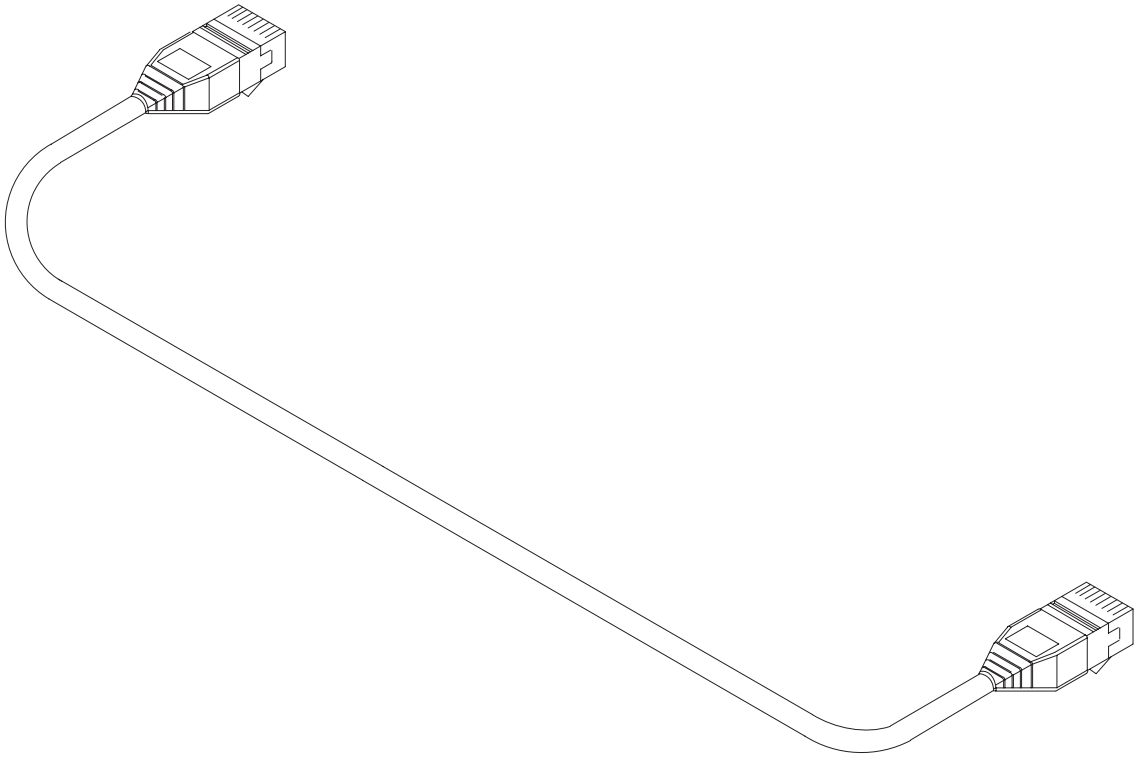
XCS-4 Modular Cable

XCS-4 is a shielded cable (one specially shielded conductor) modular cable for flashing and service purposes.

Product code

XCS-4 Modular Cable: 0730178

Figure 17: View of XCS-4



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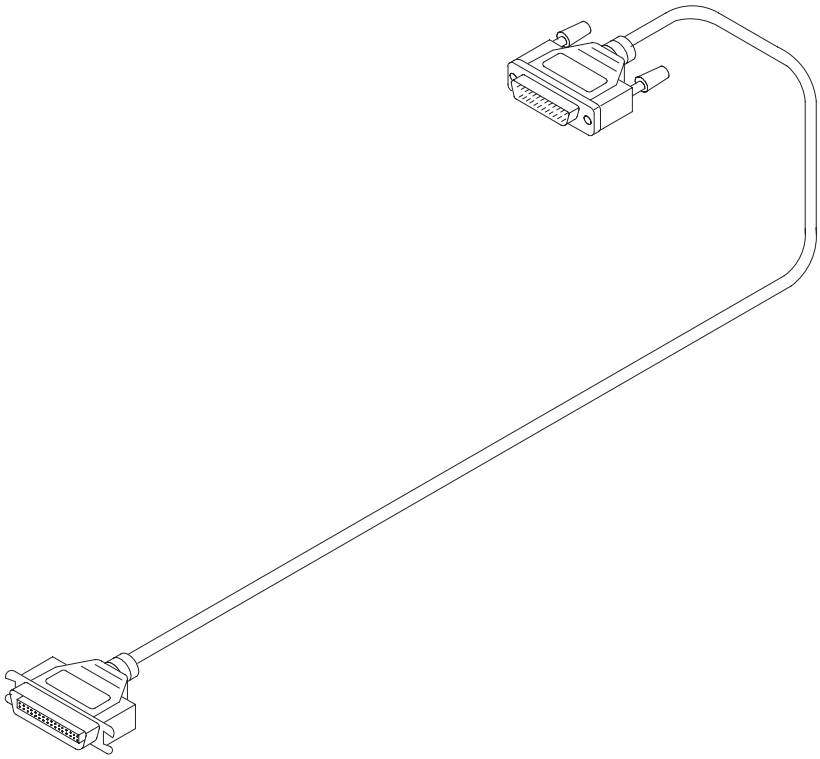
Parallel Cable CA-10 DS

The 1.8m bidirectional parallel cable is used to connect the PC to FPS-8. IEEE 1284-1944 standard compatible.

Product code

Parallel Cable CA-10DS : 0730298

Figure 18: View of Parallel Cable



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SB-1 Service Box for TME-3

The primary physical interface to the application is through the 50-pin M2M System Connector. The M2M system connector offers serial bus, power input/output, Digital Audio Interface, analogue audios and remote I/O control.

The 50-pin system connector is connected to the application module with a flat cable connector. The flat cable is connected to a pin header connector on the customer application. A board-to-board connector that is connected directly to the M2M system connector of the Nokia 30 GSM Connectivity Terminal can also be used in the customer application.

Product code:

SB-1 Service box: 0770559

Figure 19: SB-1 service box

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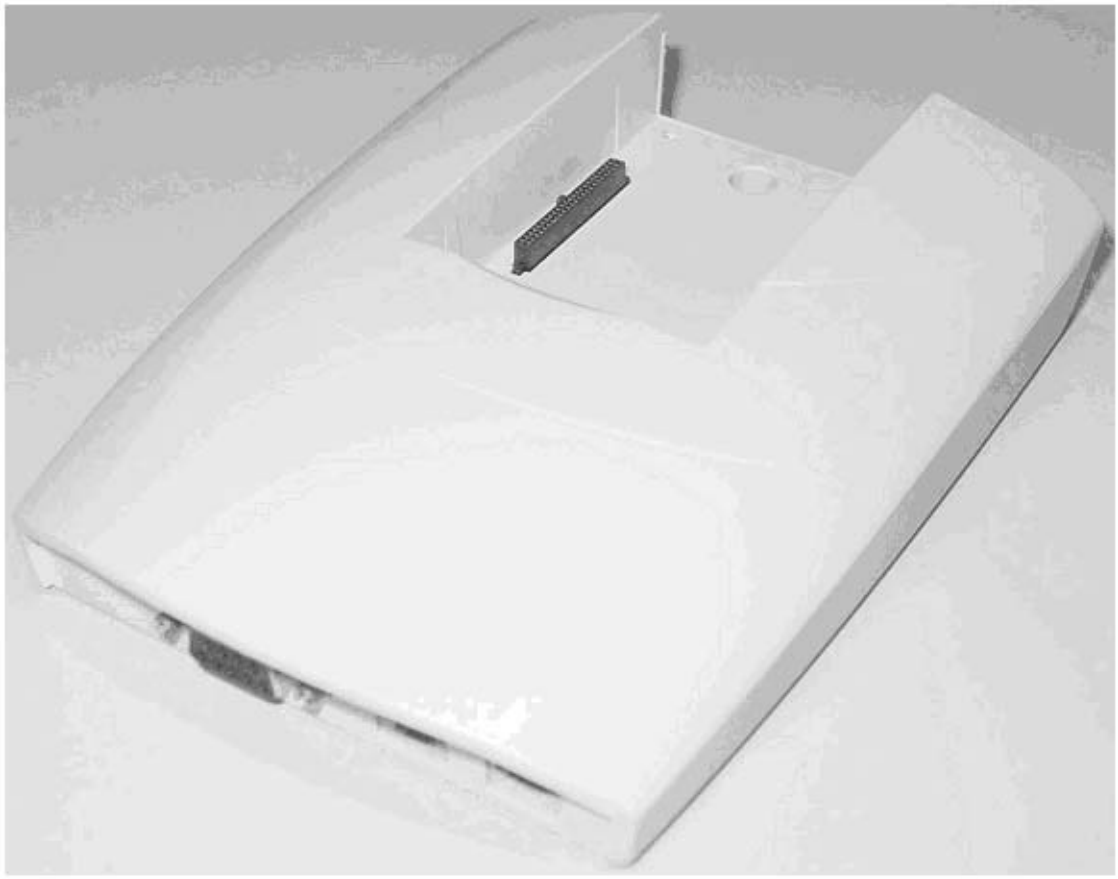
DTX-3 Nokia 32 Application module

DTX-3 Nokia 32 Application module is used for Nokia 30 final testing (audios).

Product code:

DTX-3 NOKIA 32 AM SWAP PACKAGE: 0046604

Figure 20: DTX-3



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